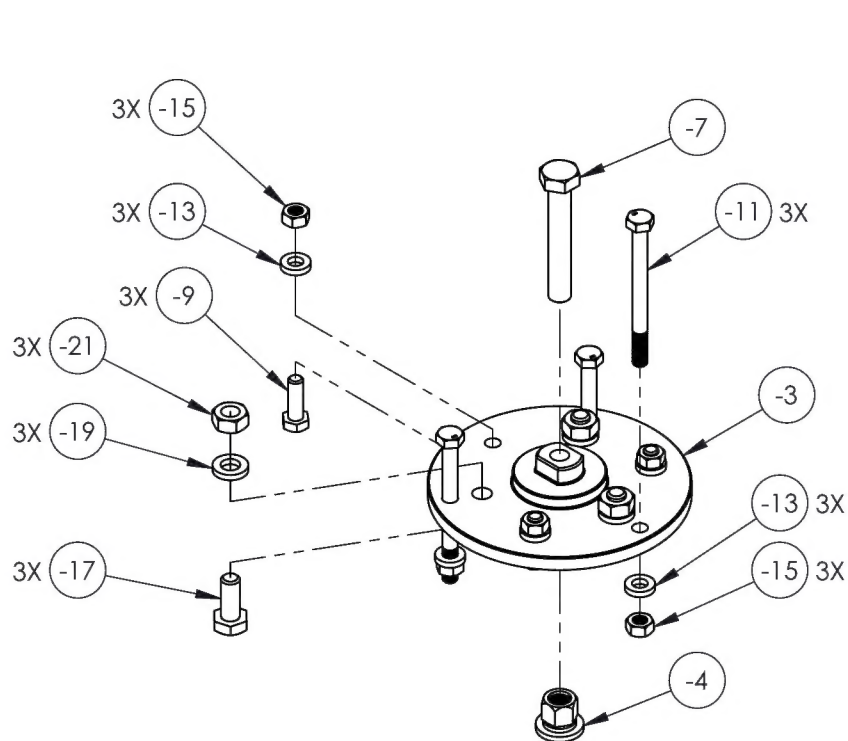


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	UPDATED TO NEW STANDARD. ADDED EC635, H135 TO USED ON MODELS. -3 -5 -7 ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D. -3 CH'D DIMS WAS $\varnothing 5.508$ IS $\varnothing 5.50$, WAS $\varnothing .985$ IS $\varnothing .99$, DELETED DIMS $3X \ 120^\circ$, $6X \ 120^\circ$. ADDED DIM 60° TYP. -4 ADDED TO BOM. ADDED DRAWING. -5 CH'D DIM WAS $\varnothing .998$ IS $\varnothing 1.00$, WAS $\varnothing .693$ IS $\varnothing .69$, WAS $.098$ IS $.10$, WAS $.125$ IS $.13$, WAS $.484$ IS $.48$, WAS $\varnothing .073$ IS $\varnothing .07$. -7 CH'D DESCRIPTION WAS HEX HEAD CAP SCREW IS BOLT. CH'D B/O REF WAS #91280A010 IS (FASTENAL #0159018). CH'D DIMS WAS 2.925 IS 2.93 , WAS $\varnothing .375$ DEPTH $.125$ IS $\varnothing .20$ $\nabla .13$, WAS M12 X 1.75 IS (M12 X 1.75 - 6h). -9 CH'D B/O REF WAS #91310A535 IS (#90854A167). -11 CH'D B/O REF WAS #91310A562 IS (#91280A560). -15 CH'D B/O REF WAS #90685A045 IS (#90591A161). -17 CH'D B/O REF WAS #91310A626 IS (#90854A189). -21 CH'D B/O REF WAS #90685A046 IS (#92497A450).	8/29/2016	DEW	JAG



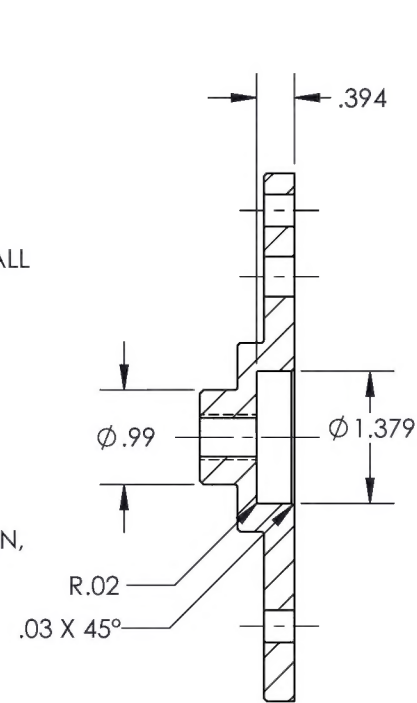
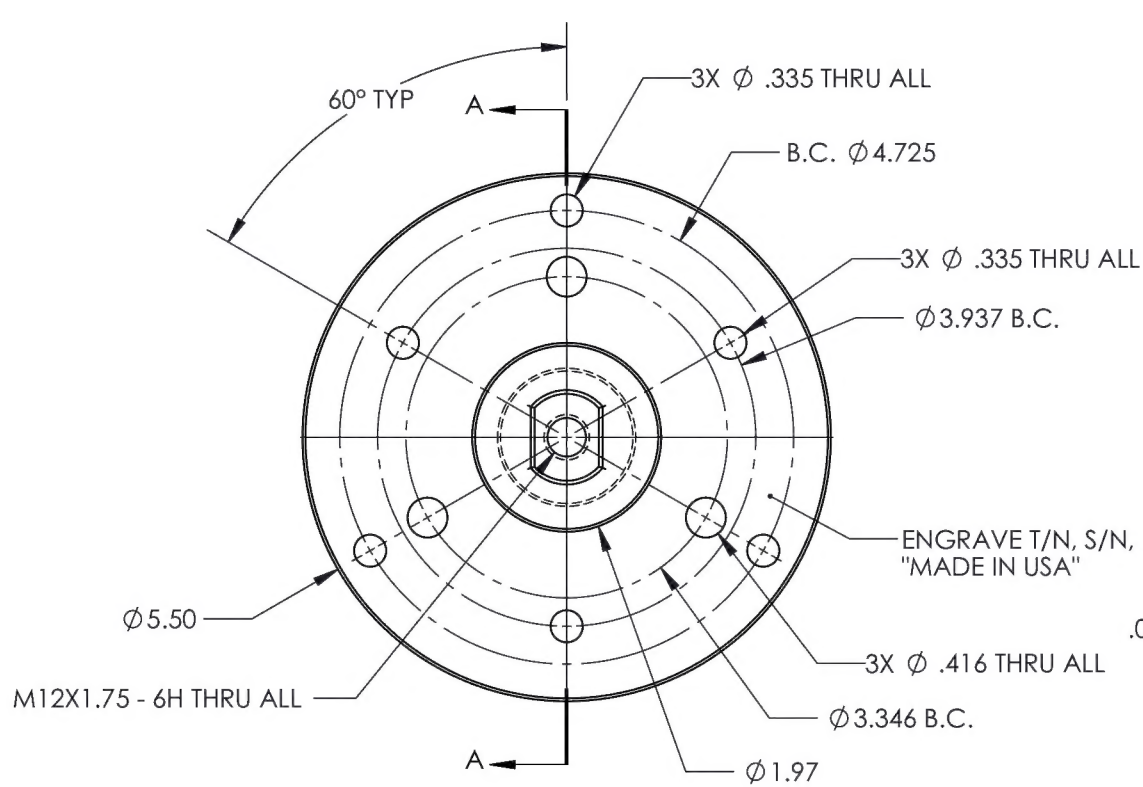
NOTE:
REFERENCE AIRBUS T/N: 1X56137180.

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
			-3	1	PLATE	1018/1020 CR		2
	X		-4	1	SWIVEL PAD ASSEMBLY			3
	1		-5		PAD	1018/1020 CR		4
			-7	1	BOLT	STEEL	M12 X 1.75mm X 75mm (FASTENAL #0159018) MODIFIED	5
		B/O	-9	3	HEX HEAD CAP SCREW	STEEL	M8 X 1.25mm x 25mm (MCMaster-CARR #90854A167)	1
		B/O	-11	3	HEX HEAD CAP SCREW	STEEL	M8 X 1.25mm X 90mm (MCMaster-CARR #91280A560)	1
		B/O	-13	6	FLAT WASHER	STEEL	M8 (MCMaster-CARR #98035A105)	1
		B/O	-15	6	HEX NUT	STEEL	M8 X 1.25mm (MCMaster-CARR #90591A161)	1
		B/O	-17	3	HEX HEAD CAP SCREW	STEEL	M10 X 1.5mm (MCMaster-CARR #90854A189)	1
		B/O	-19	3	FLAT WASHER	STEEL	M10 (MCMaster-CARR #98035A106)	1
		B/O	-21	3	HEX NUT	STEEL	M10 X 1.5mm (MCMaster-CARR #92497A450)	1
	1		-23		SWIVEL NUT	STEEL	M12 X 1.75 (CARR LANE #CLM-12-SN) MODIFIED	3
	ASSY -4							

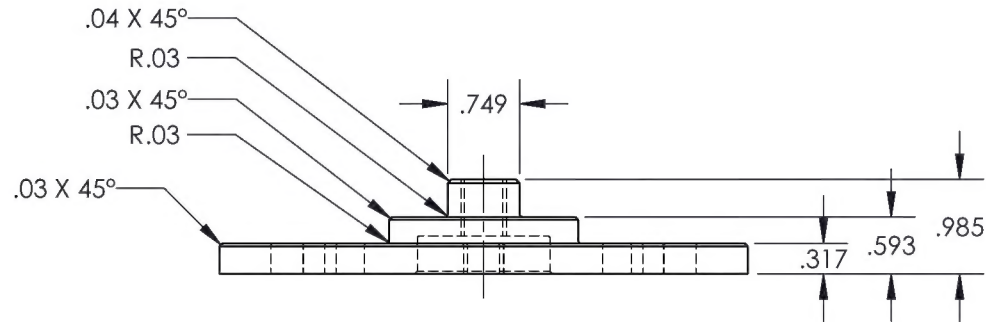
		TITLE	
		PULLER	
DWG NO.		RBE1X56-137-180	
REV		2	
MATERIAL		UNLESS OTHERWISE SPECIFIED	
HEAT TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY:		CLOUGH	
CHECKED:		DUERFELDT	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT	
SCALE		1:4	
DATE		7/8/2010	
SHEET		1 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	-3 CH'D DIMS WAS Ø 5.508 IS Ø 5.50. WAS Ø.985 IS Ø.99. DELETED DIMS 3X 120°, 6X 120°. ADDED DIM 60° TYP. ADDED FINISH SPEC QMSI-6.2.2, B.O. REV D.	8/29/2016	DEW	JAG



SECTION A-A

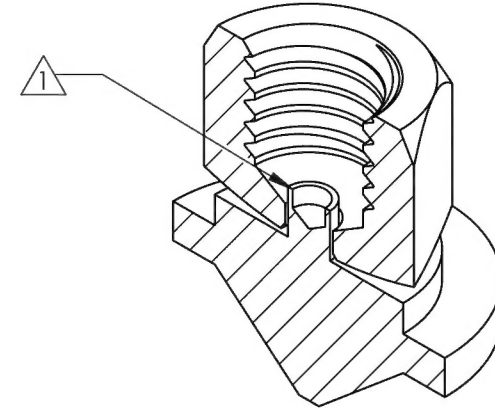
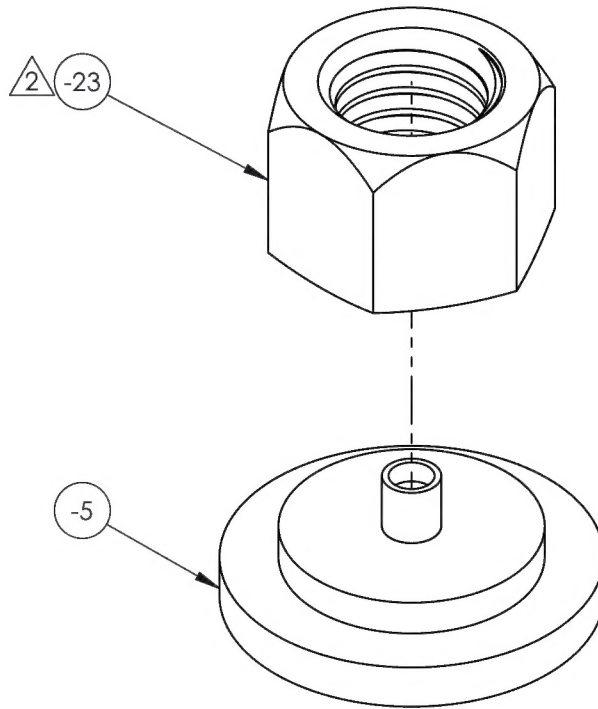


(-3)
PLATE

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-137-180-3	REV 2
MAT'L 1018/1020 CR HEAT TREAT FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: DUERFELDT	EC135, EC635, H135
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 7/8/2010
SHEET 2 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	4 ADDED TO BOM. ADDED DRAWING.	8/29/2016	DPD	JAG



NOTE:

- 1 PEEN OVER LIP OF -5 PAD AFTER ASSEMBLY WITH -23 SWIVEL NUT. MUST ROTATE FREELY.
- 2 REMOVE OEM SWIVEL FOOT FROM -23 SWIVEL NUT IN A WAY TO NOT CAUSE DAMAGE TO HEX NUT PORTION.



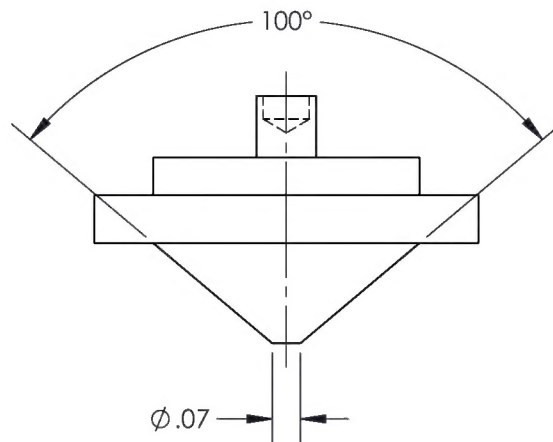
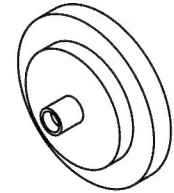
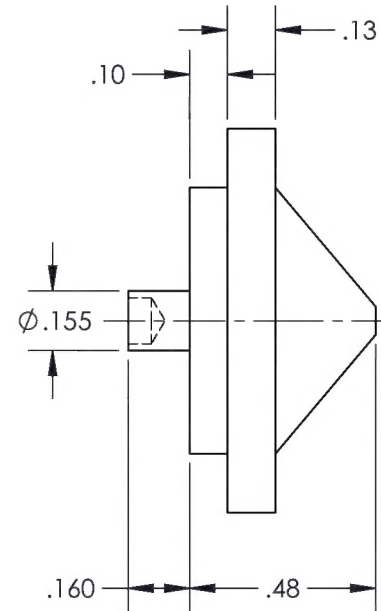
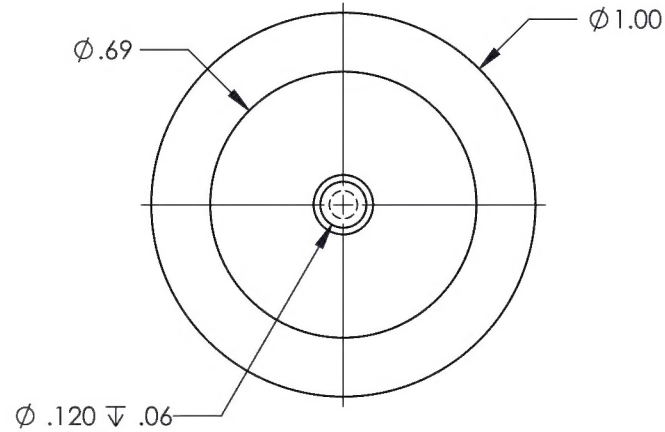
TITLE		PULLER	
DWG NO.		RBE1X56-137-180-4	REV 2
MAT'L		UNLESS OTHERWISE SPECIFIED	
FEAT		DIMENSIONS ARE IN INCHES	
TREAT		.XXX ± .005 FRACTIONS ± 1/8	
FINISH		.XX ± .01 ANGLES ± 5°	
SPEC		.X ± .1 SURFACES = 125°	
DRAWN BY:		CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED:		DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR:		ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR:		LINDSAY	USED ON MODEL
APPROVED:		GILBERT	EC135, EC635, H135
SCALE		2:1	DATE 7/8/2010
			SHEET 3 OF 5

-4

SWIVEL PAD ASSEMBLY

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REVISIONS				
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2	16-0126	-5 CH'D DIM WAS \varnothing .998 IS \varnothing 1.00, WAS \varnothing .693 IS \varnothing .69, WAS .098 IS .10, WAS .125 IS .13, WAS .484 IS .48, WAS \varnothing .073 IS \varnothing .07, ADDED FINISH SPEC QMSI-6.2.2 B.O. REV D.	8/29/2016	DEW
				JAG

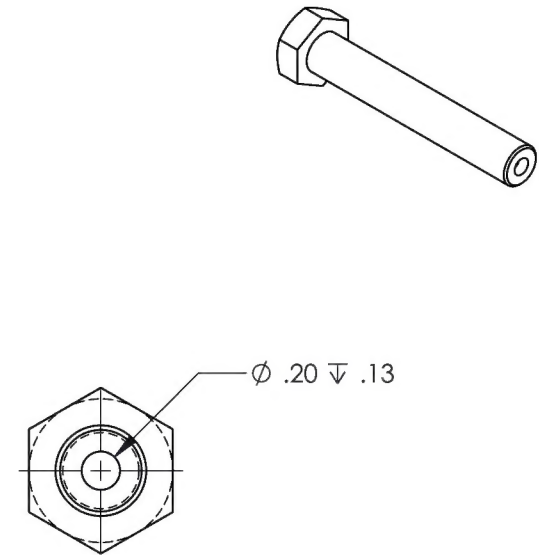
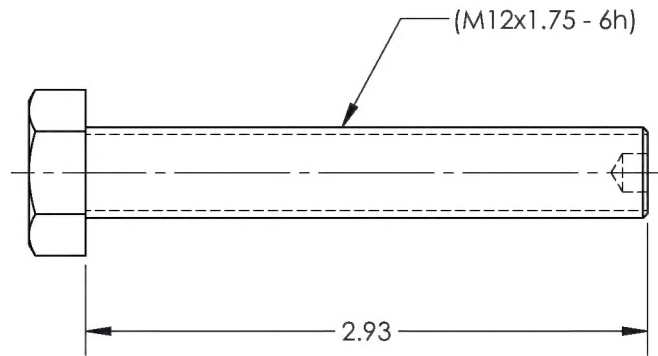


(-5)
PAD

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-137-180-5	REV 2
MAT'L 1018/1020 CR HEAT TREAT FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 .XX \pm .01 ANGLES \pm 5° .X \pm .1 SURFACES = 125°	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: CLOUGH	USED ON MODEL
CHECKED: DUERFELDT	EC135, EC635, H135
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 2:1	DATE 7/8/2010
SHEET 4 OF 5	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0126	-7 CH'D DIMS WAS 2.925 IS 2.93. WAS \varnothing .375 DEPTH .125 IS \varnothing .20 ∇ .13. WAS M12 X 1.75 IS (M12 X 1.75 - 6h). ADDED SPEC QMSI-6.2.2, B.O. REV D.	8/29/2016	DEW	JAG



(-7)
BOLT

DART AEROSPACE	
TITLE PULLER	
DWG NO. RBE1X56-137-180-7	REV 2
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH BLACK OXIDE	.XXX \pm .005 FRACTIONS \pm 1/8
SPEC QMSI-6.2.2, B.O. REV D	.XX \pm .01 ANGLES \pm 5°
DRAWN BY: CLOUGH	.X \pm .1 SURFACES = 125° ✓
CHECKED: DUERFELDT	1. BREAK ALL SHARP EDGES
OPPS APPR: ANDERSON	.015 x 45° OR .015R
QA APPR: LINDSAY	2. DIMENSIONAL LIMITS APPLY
APPROVED: GILBERT	AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 7/8/2010	USED ON MODEL
SHEET 5 OF 5	EC135, EC635, H135